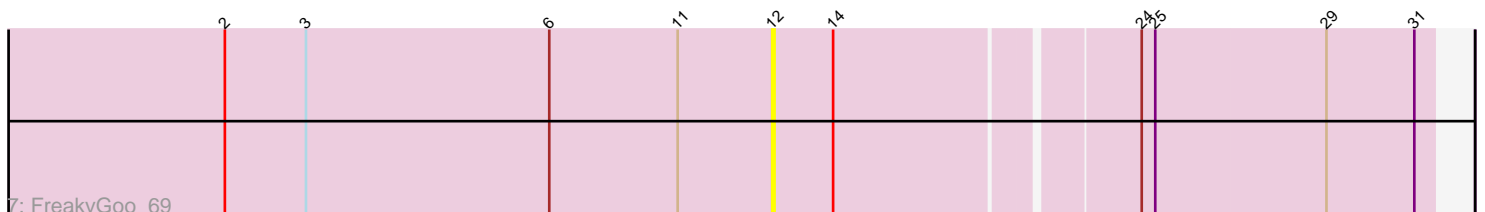
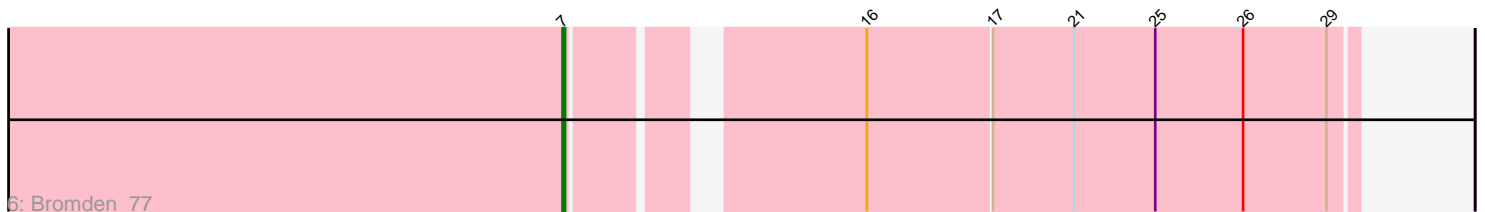
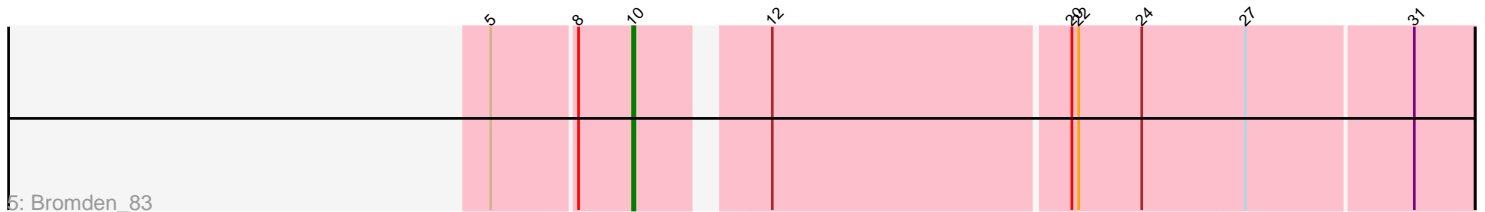
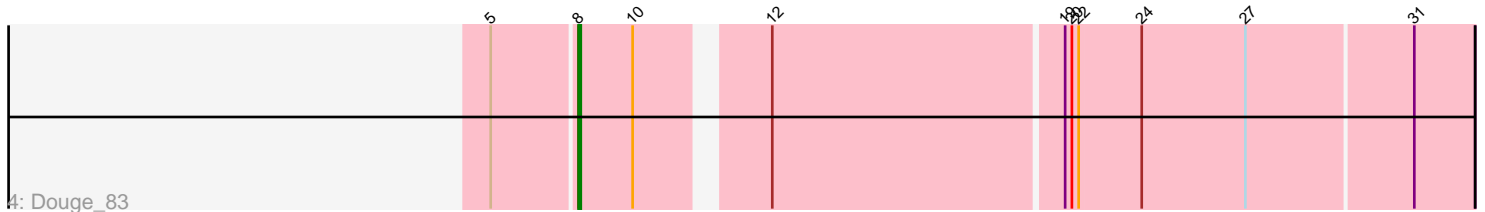
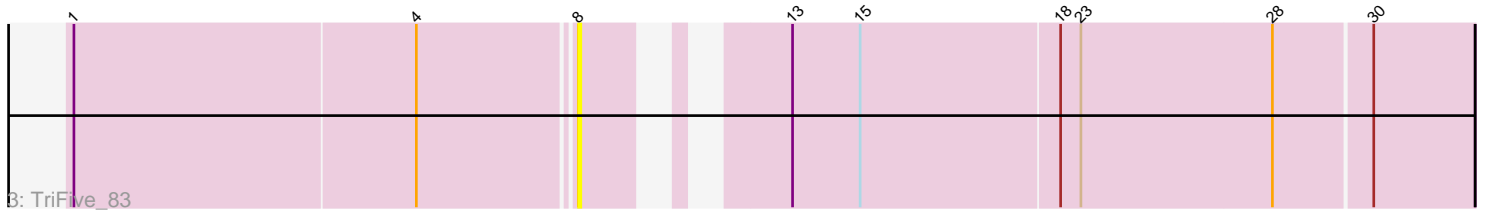
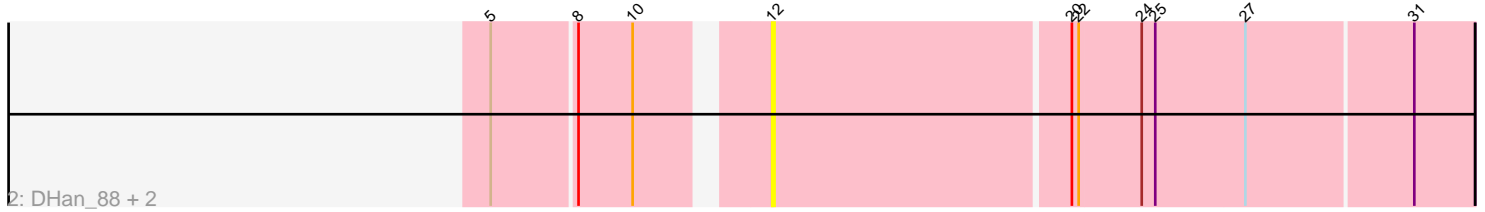
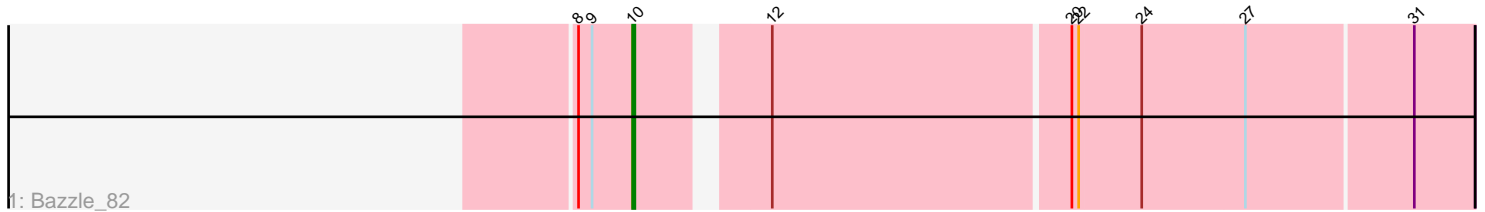


# Pham 203576



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

## Pham 203576 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203576 has 9 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Bazzle\_82
- Track 2 : DHan\_88, Baoshan\_82, ZhongYanYuan\_82
- Track 3 : TriFive\_83
- Track 4 : Douge\_83
- Track 5 : Bromden\_83
- Track 6 : Bromden\_77
- Track 7 : FreakyGoo\_69

### ***Summary of Final Annotations (See graph section above for start numbers):***

The start number called the most often in the published annotations is 10, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bazzle\_82, Bromden\_83,

Genes that have the "Most Annotated" start but do not call it:

- Baoshan\_82, DHan\_88, Douge\_83, ZhongYanYuan\_82,

Genes that do not have the "Most Annotated" start:

- Bromden\_77, FreakyGoo\_69, TriFive\_83,

### **Summary by start number:**

Start 7:

- Found in 1 of 9 ( 11.1% ) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bromden\_77 (L4),

Start 8:

- Found in 7 of 9 ( 77.8% ) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 28.6% of time when present

- Phage (with cluster) where this start called: Douge\_83 (L4), TriFive\_83 (L3),

Start 10:

- Found in 6 of 9 ( 66.7% ) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Bazzle\_82 (L2), Bromden\_83 (L4),

Start 12:

- Found in 7 of 9 ( 77.8% ) of genes in pham
- No Manual Annotations of this start.
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Baoshan\_82 (L2), DHan\_88 (L2), FreakyGoo\_69 (M1), ZhongYanYuan\_82 (L2),

### **Summary by clusters:**

There are 4 clusters represented in this pham: M1, L4, L2, L3,

Info for manual annotations of cluster L2:

- Start number 10 was manually annotated 1 time for cluster L2.

Info for manual annotations of cluster L4:

- Start number 7 was manually annotated 1 time for cluster L4.
- Start number 8 was manually annotated 1 time for cluster L4.
- Start number 10 was manually annotated 1 time for cluster L4.

### **Gene Information:**

Gene: Baoshan\_82 Start: 55413, Stop: 55715, Start Num: 12

Candidate Starts for Baoshan\_82:

(5, 55305), (Start: 8 @55341 has 1 MA's), (Start: 10 @55365 has 2 MA's), (12, 55413), (20, 55542), (22, 55545), (24, 55572), (25, 55578), (27, 55617), (31, 55689),

Gene: Bazzle\_82 Start: 55265, Stop: 55615, Start Num: 10

Candidate Starts for Bazzle\_82:

(Start: 8 @55241 has 1 MA's), (9, 55247), (Start: 10 @55265 has 2 MA's), (12, 55313), (20, 55442), (22, 55445), (24, 55472), (27, 55517), (31, 55589),

Gene: Bromden\_83 Start: 54891, Stop: 55241, Start Num: 10

Candidate Starts for Bromden\_83:

(5, 54831), (Start: 8 @54867 has 1 MA's), (Start: 10 @54891 has 2 MA's), (12, 54939), (20, 55068), (22, 55071), (24, 55098), (27, 55143), (31, 55215),

Gene: Bromden\_77 Start: 52678, Stop: 53001, Start Num: 7

Candidate Starts for Bromden\_77:

(Start: 7 @52678 has 1 MA's), (16, 52789), (17, 52843), (21, 52879), (25, 52915), (26, 52954), (29, 52990),

Gene: DHan\_88 Start: 55476, Stop: 55778, Start Num: 12

Candidate Starts for DHan\_88:

(5, 55368), (Start: 8 @55404 has 1 MA's), (Start: 10 @55428 has 2 MA's), (12, 55476), (20, 55605), (22, 55608), (24, 55635), (25, 55641), (27, 55680), (31, 55752),

Gene: Douge\_83 Start: 53819, Stop: 54193, Start Num: 8

Candidate Starts for Douge\_83:

(5, 53783), (Start: 8 @53819 has 1 MA's), (Start: 10 @53843 has 2 MA's), (12, 53891), (19, 54017), (20, 54020), (22, 54023), (24, 54050), (27, 54095), (31, 54167),

Gene: FreakyGoo\_69 Start: 45061, Stop: 45342, Start Num: 12

Candidate Starts for FreakyGoo\_69:

(2, 44818), (3, 44854), (6, 44962), (11, 45019), (12, 45061), (14, 45088), (24, 45214), (25, 45220), (29, 45295), (31, 45334),

Gene: TriFive\_83 Start: 55170, Stop: 55526, Start Num: 8

Candidate Starts for TriFive\_83:

(1, 54954), (4, 55104), (Start: 8 @55170 has 1 MA's), (13, 55230), (15, 55260), (18, 55347), (23, 55356), (28, 55440), (30, 55482),

Gene: ZhongYanYuan\_82 Start: 54996, Stop: 55298, Start Num: 12

Candidate Starts for ZhongYanYuan\_82:

(5, 54888), (Start: 8 @54924 has 1 MA's), (Start: 10 @54948 has 2 MA's), (12, 54996), (20, 55125), (22, 55128), (24, 55155), (25, 55161), (27, 55200), (31, 55272),